ABSTRACT OF THE DISCLOSURE

The present invention is generally directed to systems and methods for distributing a non-odorized gas. In one embodiment, an inner pipe containing a non-odorized gas at a first pressure is routed through an outer pipe adapted to contain an odorized fluid at a second pressure less than the first pressure. As a result of the pressure differential, a leak in the inner pipe will not permit the odorized fluid in the outer pipe to flow into the inner pipe. When the non-odorized gas is hydrogen, this prevents a stream of hydrogen gas that is possibly contaminated with odorants from reaching a fuel cell. Furthermore, a leak in the outer pipe or a leak in both the inner and outer pipes will result in the release of the odorized fluid into the environment, allowing leaks to be detected before dangerous or harmful levels are reached.